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DECEMBER 26, 1927

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Special Features

The Vought "Corsair"

The Russell Parachute
The Airplane in Forestry

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NUMBER

GEARED

ASK THE MAN

THE superme confidence that is placed in Packard motors reflects twenty-seven years of engineering leadership — of dependable performance under the most trying con-

Unfalteringly Packard has gone forward introducing improvements in construction and design which have set new standards of performance and influenced the entire industry.

Today, Packard Aircraft Motors are the product of all that has been developed in these years of leadership combined with a special knowledge guined through twelve years of proneering in aircraft motor development.

OWNS ONE



PACKARD AVIATION ENGINES



Airplane Performance Traditional With WACO

WACO performance and dependability are traditional — wherever you've hard sirglanes mentioned — whatever you've heard about them you've neror heard snything hat praise for the performance and dependability of the WACO.

umber 26, 1600

There is nothing untried, unproved, or in any way experimental about the WACO. It embeddes the engineering principles gained in the ten years of sixplane con-

edged leader and feel for your selfthe almost arrow like take-off and quick elimbing ability. Give her the gan and feel the thill of its speed. Set her stinilizer and fly with hands off. Bring her down and land on the enablen like bydrattle shock absorbers without the slightest joit or jar. When you have done this you will realize why every one that has seen the WACO is adelatiming it so the out-

Take the stick of this schnowl. Write now for complete details.



December 26, 100 | Becomber 26, 1927



Standard on all **Leading Motors**



N THE average field Bobs, Rose Tree Bearsage no expected, for this regular product Boko Ruar True Bearman were used as Wright

BOHN ALUMINUM & BRASS CORPORATION Detroit Also manufacturers of Bolivalite Pistons and Castinas. Michigan

Assessed Return

Property and Passery Longs Respect Rates LOUDSHAW FLORE FROM WARRISTON TO PERSONAL RESIDENCE OF MANY COMMUNICATION OF Bran Sections in Cone to Casay Print 3327

Alsocare and Alsocare AVIATION PUBLISHING CORPORATION

250 West 57th St. New York City

Index to Contents THE RESIDENT PRODUCTS AND MAD LEVEL BERT TRACKS AND THE The New Curtiss A-3 Attack Plane Powered With Curtis D-12

> 450 hp. Engine Equipped With

SCINTILLA Aircraft Magnetos



SCINTILLA MAGNETO COMPANY Contractors to the U.S. Army and Navy



The Oldest American Aeronautical Magazine

Aircraft Engines

crucian of engines last year. The expension of the provide industry this year has however depleted the make of war surples empres much more quickly then

to on the market or sufficient quantities to meet the Although there are over a down engines of under 200 by which are being developed and which are ex-

The New Aeronautical Diplomacy

W HEN COLONEL Limitered made for special follows for existing that had not been recognized. D via condition that is the fitter the explore might by a new role in diplementy. A such becomer stee my a new role in diplomeny. A seaso broader size that verits of attractive percapabilities, each as Colored lendough's flight to Marco City respected itself.
It is not not merch to say that the record Spheider in centering in the Mediterranees. Here, there has rno moments whenever the countries bordering its

have a status que to protect, not to mention their am-

Other mes of algeredt in diplomary could be cited the effects of this new influence It took Colonel Lind-

Shack Paried Profit

A LTHOUGH THE menufacture and sale of severalt from west to coast. Not, the exponentive industry it does The temporary decrease in business will easile bire to shock up on next effects and to make a shade of goodor management conditions within his own walls. Which

distribution policies, etc., to be put into effect at the

beginning of the good sensor. In short, the wise ones

will make the alook season a profitable one by doing the

livet Britain's trade roots to India and Australia near future.

CHIEVEMENT" has been written

I large in American Aeronautical History during the year that is just ending. The achievements of men-of planes

-of engines. Into these proud Records-of whatever man, of whatever plane-have been indelibly imprinted "-powered with a

Wright Whirlwind Engine". Distance, Economy, Speed, Endurance -all have been asked of this engine

squarely, steadfastly, reliably. Wright-both Engine and Organ izarion-pledges an unccasing effort to justify this leadership in the year that is opening to us. A year when, more virally than ever, the experience of the past must be a laboratorial test-tube for

and all have been met-





The Russell Parachute

A "Lobe" Type With Pack so Designed That a Pull on Rip Cord Instantly Removes Entire Covering

CAN HE "LOBE" to be purachate was designed research for

ordered presence acting upon the canopy

path of demonst. Along an the approach of the enterpy nationates large plants at all times. These characteristies cause the lasts appende derection, concer a territors apon the chound have after faring the ratial openine neriod, at which then the

Normal Speed of Descent Quickly Attained East of sheek lead upon species is attained, due to the dose. This causes the negociute to quaid's and early an-In desemt, stability is sitained by the comperbulancing of



better oder of the covery falge. From the point the cold A Daniel "Labe" assembled below delted before bless stand



James about to "cod!" the sir out of a Euroti "Lobe"

A mutable pask, or continuer, has been developed for a carredule of the tree. The nack to so decemed that a refl-

Harness Adjustable for Confert

The service type lobe pareshets, at manufactured, is ensuse ander nay coefficien that might sever. The design to and to approve salidy at extreme high smeds The type of pagarings is also constructed of cotton fabria.

Operates in Very Short Time







December 26, 1921

Mail Lines Serve Trading Area With Population of 62,259,409 THE 25 say much review saw operating or to operate to the

ration at the prevent time—a roote release of 7907. The

D SHING the three second, 1925 to 1922, sucharry, but applicant water used by the United Stellar Fourt Surfrom recently many server measure officered and to to the mostler and movement of the recess. Places curved

holde mounted to effective forest fire control. With the 988 He of Phine Without Accident

The Airplane in Forestry

Its Value in Fire-Control Work and mechanics who kept Library engines and old BH whose land

The enters regret, of some twenty million nerse, is subject

An Idoko shanderstorm in action.

of this kind. The places have also been used with some



no X & Prest Amore A section of the 22 million arres to be controlled.

the terrain. Within a few services a close taken off and modern accompant fully adapted to the task. A where for professor the ages. The fights average about two and one. down and low landing speed. It should have at least truhann, preferably on heavy, or longer, range. High speed is not a resemble in any case; paneurorality and dissort about for mucho. A small fire, often mechani in a smarle ness are enseated. It is often necessary to elimb abarpty windfall ar may under done more timber is recognisely difficult to see. When a smoke in fraud, the observer riots control, the piace flow over the nearest ground station hav-

A word in record to places for forest work. The six

Caspes figure heaps point on the plot

type mapping of manufacturers of the ground. The possite countril bearing of manufact of indian fields. Rate-of-slick mediate that there are some practical possibilities in work indicator, bank-and-term indicator, and a good company of

turn in the made and cloud firing, efter confidence put operations on the line will not get under very price to Marris small measure of mesons in according the documents for moved demagn. In other places, not in the veryon were property precisely assessmed. If it can be made to meet the 1, 1829, at which time eight Primare "Stalwarp" will so

experiments have been conducted in during massivatival forced trees with insustraides. A modest trial of vertical results. The method of manners revenue to star a year experient part in ferret ourrers in the frame. When done rs conyunction with the patrol, so that hithe or on term much be charged on to the morney because of perferently doof securacy appoints may dete. It is, perhaps, the studpromising field for the arrylant in functory at this tion.

even. More proceeder and experimentation is kighty de-

AVIATION

Pitcairn to Start Operating New Mail Service Within Six Months

IN CONNECTION with the award to Possers Avieton, Inc. N CONSECTION will the award to Princes Aviation, Inc., with bandwardness on Philadelphia, Ph., of the markent for English and French Lines Reduced



Spon to be Made at Jacksonville "See "15 and Three together with the New York in At-No. Inc., already holds, molecular tested of over 1300 of I a very to be repeated mentagin to Princers places. On Or or are After in the highting installations by the Dr.

teta nevere again à méredais which cells for the departure The Adjusts-Musel extension of the less will be exercised York to Florida, whose newson of and leaver Atlanta to

era made between Atlanta and Jacksonville, 207 mg, be-According to the confract with the Post Office Department.

Rates for the London-Paris Trip

The new destactors from a 600 france (about \$24). The rate ligherio in effect has been 750 (mans one way (about 850)

For expande, the first-slow recognizes on the Porto's comnumerous will me owners where with a connect of 10

Naval Reserve Air Proficiency Trophy Donated by Guggenheim

A DEIONZE player, known as the Nord Davis, truster was

This trooby was named in honor of Limit Condy Non-

December 25, 30: Excember 26, 1927 Lindbergh Flies from Washington to Mexico City

Makes 2.031 Mi. Non-Ston Flight Between Capitals in 27 Hr. 10 Mir.



Makes Eun of About 2,500 Fr

Flew Blind Some of the Time According to Landbergh this true was in name was the

At the field he was not by the court who had been warting Window, the first American officer to being down a German repetient and often showed when it was removed that the South of St. Louis was no the horizon. Once the rotted was fooled completely when a Principle monophuse haded, over on the Tomore . Then the second of Leadhard there was and expressed and soldiers and solvenses were detailed by almost run over by the motorcycles. While the plane was bring plated into a fargur content according too next the state of according power and a lower presed commercial course with favours as they described through the absents. The der was a heral Bobilay in Memor City, the first begal heliday

Residents of Scarsdale, N. Y., Seek To Prevent Air Firm's Operations TEGAL ACCISON to prevent diglets from the field of Adamto Anweys, Inc., Englered distributor at Wilson's

It is understood at the tone of the written that Colonel

Canadian Viekers, Ltd., to Produce Fairchild Monoplanes in Canada

The Distribution of Safety Belts THE NICHOLAS-BEASLEY Agrees On, of Marchall, Me. has taken over the complete distribution of referr halte of the Wide Leather and Baltime Co. according to a ins-Sunzier Co Then as started to make the Numbelan-Bennier this time is reliant subtly belts to a great many American

Is addition to contracting for the return output of the

An Automotic Ticket Seller



State and Federal Rights

Massachusetts Tests Right to Refuse to Recognize a Federal Pilotina License Within its Boundaries

By DANIEL ROCHFORD



What happened then is a matter for concenture. Creation L. O'Bries from to the some from Rosian. The wester ham

Larker was represented to an morie. The Manuschoutte

The writer has talked with Maj. Clarence Tenne of the inspect "periored to moddle" in the Larkin trust, not even stringing it. Associate the Deutstment of Commerce will

mobbely that the her beyong to dr

Fredery O. Sargest, Federal success?

shin to control this. The Pederal propagated does reprinted Brewer O'Bren feels every bridge of a Federal a viste breeze too. He would give the sealing to holders of

under will be marked upon request. Address recordings were The same trip, he asserted would sequere 14 days by

Pleme Note THE INDEX is volume XXIII of Avernor, July to Do- no. from Mayo to Devene wa Whitehorse was made to 4 contact, 1827, in now ready for distribution. A copy of the said 30 max, we a benceratory averaging 39 day, below

Mail Service to Start in January THE DEPARTMENT of Company has stated that assent

Air mail service between Kerope and Booth America by The mails are placed at first to be carried by sesplaces, hope to be able, after a short tene, to muchbah an all-any The tradelers time reladely between Para and Rasson Aires in an follows: By hard plane from Paris to Comthree driver Fernando da Nacemba via Recelle to Personabace by . Bio de Jeanire to Manierodon, 14 hr : Monteridan te Bonnin Asser, one hope. The roots, menuging 7,900 ma, of

Veteran Railway Mail Clerk Files First Air Mail Clerk Application

WALTER O. Tuckfurber of Oneths, East, and a reclassy meter General W. Irving Obever, in successful charge of

Ryan Brougham is Used to Carry First Mail Over Alaskan Boute Assert Corp. of San Deeps, Calif., and printed by

Decreader 26, 1927 Incomber 26, 1922

and manufactured and abbote performence instability Rightly-Rightle Co., to Use Warre



his very of the Yearst "Corese" inch-performence of

Exemple of Yought Leadershop

The production of the "Compan" to but one susuaple of the

Planes on New Air Mail Route

WITTE THE recent improvement of the Change-Constructs Warn planes with Whirlward springs will be used to the transportation of the mad, and a Bran Bryogham seed to

The schedule as worked out for the waster months is classed. to he enceptionally good for passenger transi between

Consolidate Work of Bureau of Foreign and Domestic Commerce

Navy Issues Monthly Chart on Weather over North Atlantic

number some by the Hydrography Office and athers will 64-



The Vought "Corsair"

Navy Tests Show Production Type to Have a Better Performance Than First Experimental Planes

FIGHE FIRST "Corner" to come of the production line according to efficial securia, in allowand confinmance of

Has Superior Characteristics The sublisty performance of this new "Corner" surplines



December 26, 152

THE SOCIETE poer in Construction d'Aven Metallique or "Avisata" which is located at Courbesco, France, 1900 heart entropy of metal. The resenant dame that this The metal used to "Alfernan" a hight abstracts albey mastler





Side view of the Asimoto (A.T.M. 153)

gives. The advance are also worthy of note as they estend The centrels are direct through posts and unit soils and

shock absorber is used. Three are cooked more sylvador Salmeon true SAR curtain are used. These develop 128 hrs. needles. The cubin is 12 ft. 9½ in long, 5 ft. 2 in. wideand 5 ft. 11 in high. It is fixed out allemetely as a smalle cable with ten seeks or as a double cable with sharping

Elegist 12 ft. 4 ss. Total ked 10,000 fb Wasg birding . . 16.35 B per on fit

Baser at craciar word 500 mi.

High speed 113 mash Crystag speed 1867 mak

Aviation Insurance

Some Instructive Information on this Important Subject Given In Question and Answer Form

TY) HAT GENERAL questions perfecting to simpline

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who changes has occupation and becomes a polici, or flits at Yes, unless excellently anduded by a clause in the policy:

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The New Pilot



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Aluminum Alloy Called Neonaleum Developed by German Metallurgist IT WAS received reported that Dr. Max Weemback who

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In their may benef to be the amount of life insumeres aris

Does the "Shoulde Redominty" life purposes cleans gover

your broker or arrest for a modical emprincipin and for the

to Military or Naval Service.

Welding in Airplanes

Abstracts From a Paper Presented by R. M. Mock at the 1927 Convention Of the International Acetylene Assn., held in Chicago

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Makeney Averal's Corp. The cross or entirely of debalar

PIPME PRIMARY sensebers of the motal amplice attracture. It is classed that the type of construction mong agains to be





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that is used on Folder planes is a small quadrent of taking wall visit or eften welded on each sule of the inher or se



has been to have flat plates welded diagonally norms the neglic one half removed. This produces a "stopped" wild with one



The Supleme of a Cartan P.W.S worse marries for bracing he set off normaniferalty or at any mode to the axis of the and Motorielischedlert for Sept. 14, 1827) unbeste that a solved for recognized welded bonds have been employed by advant when the wrider is increasurable. When the other no heated yet nees. A defect is immediately recovered as a



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substrator of mand rueshers that are not to getch fire. There

Italy Reported Building Plane For Rome-N. Y. Non-Stop Flight

Pilots and Navigators Wanted By Company in Bombay, India THE ARRONAUTICAL Chamber of Compares of America

Manufacturer Buys Majority of

Stock and Changes Firm's Name CLYDE V. CESSONA, president of the Commission Arr pusy secretary. Mr. Ross, however, will retain his director-

It was also reported that Study is working on a number of

THE PROPERTY STREET IS NOT THE OWNER, THE PARTY NAMED IN

makes say is tool. The purfect descalate of the per-

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Fig. L. Astroni's radio grams motor and provincer character-

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c. Wouth with over not now than fifty Ib on the 200 6. Other Henry follow standard electronal and emphasized

it is very desirable that a telegraph attachment be provided desired this may be done by a switching arrangement, if ground stations story the arresps will dictate the type of On the smaller accords the print may size act or radio operator. There is, of source, no room to mount the radio

then, should be so constructed as to be readly adaptable to

remain evered. This will after it to be mounted near the

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Airplane Radio Sets

An Outline of the Fundamental Principles of Radio Design as a Guide in the Purchase of Proper Equipment

Article Four

are complicated by the revinetores of weight and

Wooden Propellars Have Poor Efforces

poller, then, in not practicable at a mount for driving the

Direct year down from the engine is another method by which the presented only be compiled. To they came the streams. tor is mounted rounts the servicer and offers no air regulations. in fluid. When combined with a variable vellage regulator the angus dones presented will give an unverying voltage are defects not found on mother method of drive.

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emergency communication without more engine power at world

works. On the whole the man done cannot be convicted so the most restable. Possible factors on auditable expend staft and the deficulties attendent on a clodely accounted

Wind Tunnel Tests Necessary dure makes possible a maxier generator. Full advantages

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The law because weedown of D.C. or the sauter workings 2 The law tension or ennior wardings should supply supple with a tenden will battery as a source of oursest. 4. The field som enough and the generator best about to cast is one plan from steminess or light metal ellery of

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December 26, 2922

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that the equipment should reflect up menute degree the first

President Carlifor accounting the Backert Solid Memorial

conditions are ideal and full atterly in had weather or in Assertal reduc equipment should not be purchased from the

A fifth article by Mr. Hyland will expent in an easily o-William E. Arthur & Co., Inc., to Develop the Bridgeport Airport

contrast for developing the Evidgepoon, agent, congressed stated setted work on it on Oct. 22, politics to debes. softkends, etc. A 20-rock dredge started work on Dan, L. parts. Approximately 500,000 nd of fill are required for There will be two rosways, ranging from 2,000 to to 4,000 Tt. in heath. These will also be a surplant channel, 250 ft. wide and approximately 1,000 ft. is length, extending from the Monatonic Bree to the field. A hangur and station building will be erected, and the field will be field habited Arramanistance here less made for falors communical manufacturers' silver. It is placed to make the Bridgement Airport a bigli-state field in every respect, and it will un-

French Air Mail Service Carries 7,000,000 Pieces of Mail in 1927 THE STREET of letters and model couls coving by the the second assesses of the Tuckersol Gerfresco as Avadior recently held in Peris, M. Lebon, French director of sir mail.

U. S. Navy Building Flying Boat

With 3,000 Mi, Cruising Radius

TY IN reported that there is make construction at the Merci Amerill Factory, Philodobskia, Pa., a long worsy from surred to the plane. Commander Bends was in command AVIATION

1 0 N December 26, 1927

FOREIGN AERONAUTICAL NEWS NOTES

India Air Transport Company Formed
The Indias Acresys, Ltd., in beng formed by a few of
Moreover marchinic in Colorifa is a reported. The negliunit in 1,000,000 supers, durable visit 100,000 disasses.

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Airpart at Baccoso Aires Proposed.

Please for the semination at an airport at Baccos Aires have been subscited by the Angustica Civit Airceatable. The proposed said for the artifaction of a fewer of others. The proposed saids for the artifaction of a fewer of others. It is not to be affected to the contract of the contract

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Secodish Air Company Asks Subsidy
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immegent, Blockholm) inhesited in preceding for expansion and portinents of for the bactery years, beginning fast, in year and portinents of the third years, beginning the property of the property part of the years of beautiful to Partie. It is property part of the years of beautiful to Partie, it is property part of the years of the property parties of the years of the property parties of the years of the property of the prop

were certain in 1924, 400 in 1905, 800 in 1905, and 1,042 in Espet. 18, 1927. No version menderate hare contained and an proofs have been demanged nine the elemptony began operation in 1962.

Dominion Establishes Three Weather Stations Three matter states on the slower of the Hadao Stati

Three gration pittings on the shores of the Hadoon Spain hade here, anishbabed by the Domesson Coverances, to observe and report on one one waster conditions obtained four ing the year: Bank post has 12 points and a complete equipment.

Use Scadta Planes In Mine Work

J. J. Beens, Selt Life City counting geologic,
og Press is mean researchine in Beath America deshiorigins is greatly saling in the development of that

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The distance of a Trans-Pacific hop is daily flown by "Wasp" engines with the Transcontinental Air Mail



December 26, 1927

More than 4,000 miles duly is the routine performance of the "Wagn" expaped Bloting mill sleps. Over plain and deser, the high Rodosa and Saerra Nevados, through best and cold, sun and fee, the modern "Peny Express" series on. This atfiliation messon recurres the utensor shell and derring of

This difficult mission requires the utmost shell and during of the pilot and the finest equipment. The success of the Transcontinented Air Mail is the outstanding feature of American correserval aviation.

PRATT & WHITNEY AIRCRAFT CO.

DEPENDABLE ENGINES

about a day. By sincers effect during the county year we

The Mexican newspaper El Universal Gradeo, is very su-

Quite Often the Little Things Count

IN the STEARMAN the wines to covered stretch, - the funcions



The Stearman Aircraft Co., Wichita, Kansas

AIRPORTS AND AIRWAYS

Arment V V

ned next and self he 1,000 ft. long. The other renown crumnar writte needly right negles, will be 2,500 ft, long

None activity has been corrued on the latter part of the

function asserts renters as Westshester Billmann, Brisselff. rest Airways has 50 pleases on order from the Towns Airrecentation. The ferroise of these planes from Webits will

ra Obera Falls, N. Y. It stands on the roof of the Homa Of for Building of the Gless Polls Incorner Courses. The

marker was planned and erected by Government for Service effects and it new residurity designated and facted in all

Gloss Falls, N. Y.

When you

Light your Airport

the first piece of equipment should be a Q-E 24-inch beacon. A majority of the beacons already installed by the Government on American airways are of General Electric manufacture.

Ask the aviation lighting specialist at the nearest G-E sales office for complete information covering the

superior construction and operation of this beacon.



GENERAL ELECTRIC

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